CLAIMS

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a support having two spaced pegs rigidly secured thereto;
a spring mounted on the support between the two pegs;
the spring and the pegs being arranged such that a wire passing in a
predetermined path over and/or under the spring and the pegs is deflected from its
normal position and exerts a pressure on the spring in a predetermined direction;

Handheld apparatus for checking the tension of a wire, including:

- a displacement measuring device associated with the spring and adapted to measure the displacement of the spring when a wire is in said predetermined path; preprogrammed computing means electrically connected to the displacement measuring device and adapted to display upon a read out a reading for the tension upon the wire when the wire is in said predetermined path;
- the computing means being connectable to a fully portable electrical power source.
- 2. The apparatus as claimed in claim 1, wherein each peg is independently selected from the group consisting of: protrusion, notch, hook, slot.
- 3. The apparatus as claimed in claim 1 or 2, wherein a housing for the fully portable electrical power source is incorporated in the support.
 - 4. The apparatus as claimed in any one of claims 1-3, wherein both pegs lie in the same plane, at the same level in that plane, and the spring is at a higher level than the pegs in that plane.
 - 5. The apparatus as claimed in any one of claims 1-3, wherein the pegs are at different levels in the same plane.
- 6. The apparatus as claimed in claim 5, wherein said predetermined path for a wire to be tested is under the lower peg and over the upper peg, passing over the upper surface of the spring.
 - 7. The apparatus as claimed in claim 1 or claim 2, wherein the support is an

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elongated member with a handle portion at one end, the length of the handle portion being inclined at an acute angle to the length of the remainder of the support.

- 5 8. The apparatus as claimed in claim 7, wherein at least the handle portion of the support is hollow to provide a housing for the fully portable electrical power source.
 - 9. The apparatus as claimed in claim 7 or claim 8, wherein the pegs are spaced along the length of the support, and are secured to the support at different levels in a plane parallel to the plane of the support.
 - 10. The apparatus as claimed in claim 9 wherein at least one of said pegs is a hook.
- 11. The apparatus as claimed in any one of the preceding claims wherein the spring has a flexibility in the range 0.0016 mm/Newton 0.043 mm/Newton.
 - 12. The apparatus as claimed in any one of the preceding claims wherein the displacement measuring device is selected from the group consisting of: strain gauge, load cell, potentiometer (linear or rotary), encoder (linear or rotary).
 - 13. The apparatus as claimed in any one of claims 1-11, wherein the displacement measuring device comprises a strain gauge secured to that surface of the spring which is not contacted by the wire in use.